

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Matti Ben-Moshe
Sanford A. Asher
Justin J. Bohn

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 9, 2007

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

2. Name and address of receiving party(ies)

Name: University of Pittsburgh - Of the Commonwealth System

Internal Address: of Higher Education

Street Address: 200 Gardner Steel Conference Center

Thackeray & O'Hara Streets

City: Pittsburgh

State: PA

Country: U.S.A. Zip: 15260

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/818,778

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jenifer S. Tarasi

Internal Address: Thorp Reed & Armstrong, LLP

Street Address: _____

One Oxford Centre, 301 Grant St., 14th Fl.

City: Pittsburgh

State: PA Zip: 15219-1425

Phone Number: 412-394-2360

Fax Number: 412-394-2555

Email Address: jtarsi@thorpreed.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

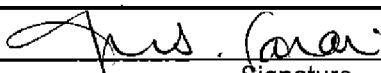
8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 20-0888

Authorized User Name Jenifer S. Tarasi

9. Signature:


Signature

11 January 2008

Date

Jenifer S. Tarasi
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 200888 11818778

PATENT

Attorney's Docket No. DB001224-001

For: U.S. and/or Foreign Rights
For: U.S. Application or
 U.S. Provisional Application
For: U.S. Patent
For: PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

<u>Matti Ben-Moshe</u> <i>(type or print name of inventors)</i>	<u>2 Sheizaf Street</u> <u>Reut, Israel 71-908</u> Address	<u>Israel</u> Nationality
<u>Sanford A. Asher</u>	<u>509 S. Linden Street</u> <u>Pittsburgh, PA 15218</u>	<u>U.S.</u>
<u>Justin J. Bohn</u>	<u>4357 Winterburn Avenue</u> <u>Pittsburgh, PA 15207</u>	<u>U.S.</u>

hereby sells, assigns and transfers to

ASSIGNEE:

<u>University of Pittsburgh - Of The</u> <u>Commonwealth System of Higher Education</u> <i>(type or print name(s) of ASSIGNEE(S))</i>	<u>200 Gardner Steel Conference Center</u> <u>Thackeray & O'Hara Streets</u> <u>Pittsburgh, PA 15260</u> Address
_____	_____
Nationality	

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest
 an undivided _____ percent (_____ %) interest
for the United States and its territorial possession

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

HIGHLY DIFFRACTING, COLOR SHIFTING, POLYMERIZED CRYSTALLINE COLLOIDAL ARRAYS OF HIGHLY CHARGED POLYMER SPHERES, PAINT AND COATINGS AND PROCESSES FOR MAKING THE SAME

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) U.S. patent application executed on even date herewith
- (b) U.S. patent application executed on _____
- (c) U.S. provisional application naming the above inventor(s) for the above-entitled invention.
- Express mail label no. _____
Mailed: _____
- To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
- (d) U.S. application no. 11/818,778 filed on June 15, 2007
- (e) International application no. PCT/_____/_____
filed on _____
- (f) U.S. patent no. _____ issued
- A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letter Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Matti Ben-Moshe
(type name of inventor)

MBM
Signature of INVENTOR

10/9/09
Date

Sanford A. Asher

Justin J. Bohn

Notarization or Legalization Page Added.

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letter Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

WARNING: The date of signing must be the same as the date of execution of the application, if Item (a) was checked above.

Matti Ben-Moshe
(type name of inventor)

Signature of INVENTOR

Date

Sanford A. Asher

SA

10/9/07

Justin J. Bohn

Justin B

10-9-07

Notarization or Legalization Page Added.

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

Facsimile

THORP REED

ARMSTRONG

ATTORNEYS AT LAW SINCE 1895

To: Mail Stop Assignment Recordation Services **Fax Number:** 571 273 0140

Company: Director of the USPTO **Phone Number:**

From: Jenifer S. Tarasi **Pages:** 6

Date: January 11, 2008 **Client/Matter No.:** 009206-094392

I.D. No.: 1119

Messages:

Re: Our Ref.: DB001224-001 (009206.094392)
Title: HIGHLY DIFFRACTING, COLOR SHIFTING,
 POLYMERIZED CRYSTALLINE COLLOIDAL ARRAYS OF
 HIGHLY CHARGED POLYMER SPHERES, PAINTS AND
 COATINGS AND PROCESSES FOR MAKING THE SAME
Appln. No.: 11/818,778

Enclosed for filing in connection with the above-identified application is the following:

- Recordation Form Coversheet and executed Assignment by Matti Ben-Moshe, Sanford A. Asher and Justin J. Bohn.

IRS CIRCULAR 230 NOTICE

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PATENT

RECORDED: 01/11/2008

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